JOURNAL OF RESEARCH IN SCIENCE TEACHING VOL. 32, NO. 10, PP. 1137–1140 (1995)

Journal of Research in Science Teaching

AUTHOR INDEX TO VOLUME 32

Abell, S.K.: See Kyle, W.C., Jr.
Abraham, M.R.: See Williamson, V.M.
Abrams, E. and Wandersee, J.H.: How Does Biological Knowledge Grow? A Study of Life Scientists' Research Practices, 649
Acampo, J.: See De Jong, O.
Adams, P.E. and Tillotson, J.W.: Guest Editorial: Why Research in the Service of Science Teacher Education is Needed, 441
Ambrosio, A.L.: See McDevitt, T.M.
Atwater, M.M., Wiggins, J., and Gardner, C.M.: A Study of Urban Middle School Students with High and Low Attitudes toward Science, 665

Baker, D. and Leary, R.: Letting Girls Speak Out about Science, 3
Barrow, L.H.: See Odom, A.L.
Brungardt, J.B. and Zollman, D.: Influence of Interactive Videodisc Instruction Using Simultaneous-Time Analysis on Kinematics Graphing Skills of High School Physics Students, 855

Catsambis, S.: Gender, Race, Ethnicity, and Science Education in the Middle Grades, 243
Cook, P.A.: See Hewson, P.W.

Dagher, Z.R.: Analysis of Analogies Used by Science Teachers, 259
de Berg, K.C.: Student Understanding of the Volume, Mass, and Pressure of Air within a Sealed Syringe in Different States of Compression, 871
De Jong, O., Acampo, J., and Verdonk, A.: Problems in Teaching the Topic of Redox Reactions: Actions and Conceptions of Chemistry Teachers, 1097
Demastes, S.S., Settlage, J., Jr., and Good, R.: Students' Conceptions of Natural Selection and Its Role in Evolution: Cases of Replication and Comparison, 535
DiGisi, L.L. and Willett, J.B.: What High School Biology Teachers Say about Their Textbook Use: A Descriptive Study, 123
Dillon, J.S.: See Watson, R.
Doster, E.C.: See Jackson, D.F.

Eckstein, S.G.: See Koch, A.
Eckstein, S.G.: Modelling the Stages of Cognitive Development in a Population: A Reply to Preece, 1121
Edmondson, K.M.: Concept Mapping for the Development of Medical Curricula, 777
English, L.D.: See Watters, J.J.
Esiobu, G.O. and Soyibo, K.: Effects of Concept and Vee Mappings under Three Learning Modes on Students' Cognitive Achievement in Ecology and Genetics, 971
Evans, M.A., Whigham, M., and Wang, M.C.: The Effect of a Role Model Project upon the Attitudes of Ninth-Grade Science Students, 195

Flick, L.B.: Navigating a Sea of Ideas: Teacher and Students Negotiate a Course toward Mutual Relevance, 1065
Fontinhas, F., Morais, A.M., and Neves, I.P.: Students' Coding Orientation and School Socializing Context in Their Relation with Students' Scientific Achievement, 445
Fradd, S.H.: See Lee, O.
Fraser, B.J., Giddings, G. J., and McRobbie, C.J.: Evolution and Validation of a Personal Form of an Instrument for Assessing Science Laboratory Classroom Environments, 399
French, M.J.: Toward a Mature Discipline Revisited, 885
Fuller, C.: See Sullins, E.S.

Gallagher, J.J.: See Kyle, W.C., Jr.
Gardner, C.M.: See Atwater, M.M.
Geban, Ö.: See Yalçinalp, S.
Gess-Newsome, J. and Lederman, N.G.: Biology Teachers' Perceptions of Subject Matter Structure and its Relationship to Classroom Practice, 301
Giddings, G.J.: See Fraser, B.J.
Ginns, I.S. and Watters, J.J.: An Analysis of Scien-

© 1995 by the National Association for Research in Science Teaching
Published by John Wiley & Sons, Inc. CCC 0022-4308/95/101137-04

tific Understandings of Preservice Elementary Teacher Education Students, 205
Goedhart, M.J.: See Keulen, H.V.
Good, R.: See Demastes, S.S.
Gray, B.: See Lawrenz, F.
Greenfield, T.A.: An Exploration of Gender Participation Patterns in Science Competitions, 735
Greenfield, T.A.: Sex Differences in Science Museum Exhibit Attraction, 925
Gurney, B.F.: Tugboats and Tennis Games: Preservice Conceptions of Teaching and Learning Revealed through Metaphors, 569

Heikkinen, H.W.: See McDevitt, T.M.
Hernandez, D.: See Sullins, E.S.
Hewson, P.W., Kerby, H.W., and Cook, P.A.: Determining the Conceptions of Teaching Science Held by Experienced High School Science Teachers, 503
Hodson, D.: See Pedretti, E.
Hounshell, P.B.: See Shugart, S.S.
Houtz, L.E.: Instructional Strategy Change and the Attitude and Achievement of Seventh- and Eighth-Grade Science Students, 629

Jackson, D.F., Doster, E.C., Meadows, L., and Wood, T.: Hearts and Minds in the Science Classroom: The Education of a Confirmed Evolutionist, 585
Jegede, O.J.: See Ogunniyi, M.B.

Kerby, H.W.: See Hewson, P.W.
Keulen, H.V., Mulder, T.H.M., Goedhart, M.J., and Verdonk, A.H.: Teaching and Learning Distillation in Chemistry Laboratory Courses, 715
Kimbrough, D.R.: Project Design Factors That Affect Student Perceptions of the Success of a Science Research Project, 157
Koch, A. and Eckstein, S.G.: Skills Needed for Reading Comprehension of Physics Texts and Their Relation to Problem-Solving Ability, 613
Korthagen, F. and Lagerwerf, B.: Levels in Learning, 1011
Krockover, G.H. and Shepardson, D.P.: Editorial: The Missing Links in Gender Equity Research, 223
Kyle, W.C., Jr.: Editorial: A Standard of Procedure, 121
Kyle, W.C., Jr.: Editorial: Education as the Practice of Freedom, 795
Kyle, W.C., Jr.: Editorial: Keeping the Politics of Liberation Alive, 1
Kyle, W.C., Jr.: Editorial: Professional Development: The Growth and Learning of Teachers as Professionals over Time, 679
Kyle, W.C., Jr.: Editorial: Science, Science Education, and the Public, 551
Kyle, W.C., Jr.: Editorial: Scientific Literacy: How Many Lost Generations Can We Afford?, 895
Kyle, W.C., Jr.: Editorial: Scientific Literacy: Where Do We Go From Here?, 1007
Kyle, W.C., Jr.: Editorial: What Winds are Blowing in the Intellectual Zeitgeist?, 327
Kyle, W.C., Jr., Abell, S.K., Roth, W.-M., and Gallagher, J.J.: Emancipatory Interests: A Reply to French, 887

Lagerwerf, B.: See Korthagen, F.
LaMaster, S.U.: See Tobin, K.
Lawrenz, F. and Gray, B.: Investigation of Worldview Theory in a South African Context, 555
Leary, R.: See Baker, D.
Lederman, N.G.: See Gess-Newsome, J.
Lee, O.: Subject Matter Knowledge, Classroom Management, and Instructional Practices in Middle School Science Classrooms, 423
Lee, O., Fradd, S.H., and Sutman, F.X.: Science Knowledge and Cognitive Strategy Use among Culturally and Linguistically Diverse Students, 797
Lumpe, A.T.: See Staver, J.R.
Lummpe, A.T. and Staver, J.R.: Peer Collaboration and Concept Development: Learning about Photosynthesis, 71

Maor, D. and Taylor, P.C.: Teacher Epistemology and Scientific Inquiry in Computerized Classroom Environments, 839
Marshall, J.E.: See Watson, S.B.
McDevitt, T.M., Troyer, R., Ambrosio, A.L., Heikkinen, H.W., and Warren, E.: Evaluating Prospective Elementary Teachers' Understanding of Science and Mathematics in a Model Preservice Program, 749
McRobbie, C.J.: See Fraser, B.J.
McRobbie, C. and Tobin, K.: Restraints to Reform: The Congruence of Teacher and Student Actions in a Chemistry Classroom, 373
Meadows, L.: See Jackson, D.F.
Moje, E.B.: Talking about Science: An Interpretation of the Effects of Teacher Talk in a High School Science Classroom, 349
Morais, A.M.: See Fontinhas, F.
Mulder, T.H.M.: See Keulen, H.V.

Neves, I.P.: See Fontinhas, F.
Niaz, M.: Piaget's Epistemic Subject: A Reply to Shayer, 1003
Niaz, M.: Cognitive Conflict as a Teaching Strategy in Solving Chemistry Problems: A Dialectic–Constructivist Perspective, 959
Nichols, S.E.: See Roychoudhury, A.

Odom, A.L. and Barrow, L.H.: Development and Application of a Two-Tier Diagnostic Test Measur-

ing College Biology Students' Understanding of Diffusion and Osmosis after a Course of Instruction, 45
Ogawa, M.: See Ogunniyi, M.B.
Ogunniyi, M.B., Jegede, O.J., Ogawa, M., Yandila, C.D., and Oladele, F.K.: Nature of Worldview Presuppositions among Science Teachers in Botswana, Indonesia, Japan, Nigeria, and the Philippines, 817
Oladele, F.K.: See Ogunniyi, M.B.
Özkan, İ.: See Yalçinalp, S.

Pedretti, E. and Hodson, D.: From Rhetoric to Action: Implementing STS Education through Action Research, 463
Prieto, T.: See Watson, R.

Quílez-Pardo, J. and Solaz-Portolés, J.J.: Students' and Teachers' Misapplication of Le Chatelier's Principle: Implications for the Teaching of Chemical Equilibrium, 939

Ross, J.A.: A Comment on Explicit Versus Tacit Knowledge: Student Achievement in Laboratory Investigations, 997
Roth, W.-M.: See Kyle, W.C., Jr.
Roth, W.-M.: About Self-Serving Interests, Trickle-Down Processes, Ends-in-Themselves, and "True" Democracies: A Response to Richardson, 891
Roth, W.-M.: Affordances of Computers in Teacher–Student Interactions: The Case of Interactive Physics™, 329
Roychoudhury, A., Tippins, D.J., and Nichols, S.E.: Gender-Inclusive Science Teaching: A Feminist-Constructivist Approach, 897

Settlage, J., Jr.: See Demastes, S.S.
Shepardson, D.P.: See Krockover, G.H.
Showers, D.E. and Shrigley, R.L.: Effects of Knowledge and Persuasion on High-School Students' Attitudes toward Nuclear Power Plants, 29
Shrigley, R.L.: See Showers, D.E.
Shugart, S.S. and Hounshell, P.B.: Subject Matter Competence and the Recruitment and Retention of Secondary Science Teachers, 63
Solaz-Portolés, J.J.: See Quílez-Pardo, J.
Soyibo, K.: See Esiobu, G.O.
Staver, J.R.: See Lumpe, A.T.
Staver, J.R.: Scientific Research and Oncoming Vehicles: Can Radical Constructivists Embrace One and Dodge the Other?, 1125
Staver, J.R. and Lumpe, A.T.: Two Investigations of Students' Understanding of the Mole Concept and Its Use in Problem Solving, 177
Strommen, E.: Lions and Tigers and Bears, Oh My!: Children's Conceptions of Forests and Their Inhabitants, 683
Sullins, E.S., Hernandez, D., Fuller, C., and Tashiro, J.S.: Predicting Who Will Major in a Science Discipline: Expectancy–Value Theory as Part of an Ecological Model for Studying Academic Communities, 99
Sutman, F.X.: See Lee, O.

Tashiro, J.S.: See Sullins, E.S.
Taylor, P.C.: See Maor, D.
Tillotson, J.W.: See Adams, P.E.
Tippins, D.J.: See Roychoudhury, A.
Tobin, K.: See McRobbie, C.
Tobin, K. and LaMaster, S.U.: Relationships between Metaphors, Beliefs, and Actions in a Context of Science Curriculum Change, 225
Toh, K.-A. and Woolnough, B.E.: Explicit Versus Tacit Knowledge in Laboratory Investigations: A Reply to Ross, 999
Troyer, R.: See McDevitt, T.M.

Verdonk, A.: See De Jong, O.
Verdonk, A.H.: See Keulen, H.V.

Wallace, J.: See Wildy, H.
Wandersee, J.H.: See Abrams, E.
Wang, J. and Wildman, L.: An Empirical Examination of the Effects of Family Commitment in Education on Student Achievement in Seventh Grade Science, 833
Wang, M.C.: See Evans, M.A.
Warren, E.: See McDevitt, T.M.
Watson, R., Prieto, T., and Dillon, J.S.: The Effect of Practical Work on Students' Understanding of Combustion, 487
Watson, S.B. and Marshall, J.E.: Effects of Cooperative Incentives and Heterogeneous Arrangement on Achievement and Interaction of Cooperative Learning Groups in a College Life Science Course, 291
Watters, J.J.: See Ginns, I.S.
Watters, J.J. and English, L.D.: Children's Application of Simultaneous and Successive Processing in Inductive and Deductive Reasoning Problems: Implications for Developing Scientific Reasoning Skills, 699
Weinburgh, M.: Gender Differences in Student Attitudes toward Science: A Meta-Analysis of the Literature from 1970 to 1991, 387
Weller, H.G.: Diagnosing and Altering Three Aristotelian Alternative Conceptions in Dynamics: Microcomputer Simulations of Scientific Models, 271
Whigham, M.: See Evans, M.A.
Wiggins, J.: See Atwater, M.M.
Wildman, L.: See Wang, J.
Wildy, H. and Wallace, J.: Understanding Teaching or Teaching for Understanding: Alternative Frameworks for Science Classrooms, 143

Willett, J.B.: See DiGisi, L.L.
Williamson, V.M. and Abraham, M.R.: The Effects of Computer Animation on the Particulate Mental Models of College Chemistry Students, 521
Wood, T.: See Jackson, D.F.

Yalçinalp, S., Geban, Ö., and Özkan, İ.: Effectiveness of Using Computer-Assisted Supplementary Instruction for Teaching the Mole Concept, 1083
Yandila, C.D.: See Ogunniyi, M.B.

Zohar, A.: Reasoning about Interactions between Variables, 1039
Zollman, D.: See Brungardt, J.B.
Zook, D.: Confronting the Evolution Education Abyss, 1111